

Abstract of the Disclosure

KCC2, KCC3 and KCC4 potassium-chloride cotransporter proteins, and nucleic acid molecules encoding the same. Recombinant host cells, recombinant nucleic acids and recombinant proteins are also disclosed, along
5 with methods of producing each. Isolated and purified antibodies to KCC2, KCC3 and KCC4 homologs, and methods of producing the same, are also disclosed. KCC2, KCC3 and KCC4 gene products have biological activity in potassium-chloride cotransport. Thus, therapeutic methods involving this activity are also disclosed.

10